APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Tischer, Manfred.
THE MECHANISM OF EMISSION OF THE BN-CATHODE. [1963] 39p 25refs
Order from SLA $3.60 TT-64-14624

Trans. of Zeitschrift für Angewandte Physik (West Germany) 1963, v. 15, no. 6, p. 509-518. (Abstract available)

DESCRIPTORS: *Electron tube parts, *Cathodes (Electron tube), *Oxide cathodes, *Barium alloys, *Nickel alloys, Emissivity, Diffusion, Theory.

It is shown that the BN-cathode is an oxide cathode with recuperative properties. Studies showed that the mechanism of the BN-cathode corresponds to that of the genuine dispersion type (L cathode). A calculation is introduced to explain the mechanism of emission of the BN-cathode, based on the depletion layer theory of
(Physics--Electronics, TT, v. 11, no. 11) (over)

TT-64-14624

1. Title: BN-cathodes
1. Tischer, M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Hamisch, H. and Binkele, L.
HIGH RESOLUTION FIXATION OF ELECTRON- AND ION-OPTICAL PICTURES BY CROSSLINKING ORGANIC SUBSTANCES. [1963] 12p 12refs
Order from SLA $1.60 TT-64-14587

Trans. of Zeitschrift fur Angewandte Physik (West Germany) 1963, v. 16, no. 3, p. 145-150.
(Abstract available)

DESCRIPTORS: *Photographic film, *Plastic films, *Fatty acids, Glycerols, Esters, Chemical bonds, *Electron optics, *Ion beams, Photographic images, Resolution.

The change in solubility of a lacquer due to electron- or ion-bombardment was utilized to record the intensity distribution in the focal plane of an electron-optical or ion-optical apparatus. The lacquer relief obtained in
(Materials--Photographic, TT, v. 11, no. 11) (over)

TT-64-14587

1. Triol Diesterate acid glyceride
I. Hamisch, H.
II. Binkele, L.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Theory and Use of Integration Amplifiers for Purpose of Magnetic Measurement, by H. Lange H. van Kuijen.
CERN, per, Z. fur Angew. Physik, Vol 16, No 5, 1963, pp 342-347.
BIBI 6999

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

G. Boehme

Adhesion of Small Particles to Solids. Part I. Measurements of the Adhesive Forces in Gaseous Media.
GERMAN, per, Zeitschrift fuer Angewandte Physik, Vol 16, 1964, pp 486-490.
NTC 72-13905-07D

Nov 72

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Lattice Constant Determination With X-ray Goniometers Taking Into Account High-Temperature Techniques, 20 pp, by H. Ebel.
GERMAN, per, Zeitschrift fur Angewandte Physik, Vol XVI, No 6, 1964, pp 490-498, 9230316.
AEC AERE-tr-1027

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Sci-Phys
Nov 65

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Saturation Magnetization of Barium Ferrite Powders After Various Milling and Annealing Treatments, by G. Heimke.
GERMAN, per, Zeitschrift fuer Angewandte Physik, Vol 17, No 3, 1964, pp 181-183.
NTC-71-10454-20C

Nov 71

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Atomiserburner Combination With Three Suction Capillaries for Flame Spectrophotometry, by W. Lang, K. Rudiger, R. Herrmann.
GERMAN, per, Z. Angew. Physik, No. 17, 1964, pp 277-279
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Sci -
Aug 67 335-735

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Modulation of Light by Means of Electrically Birefringent Crystals, by Gerhard Grau, Karl Gurs, et al., 7 pp.
GERMAN, per, Zeitschrift fur Angewandte Physik, Vol XVII, 1964, pp 16-20, Excerpt: pp 18-20, 9230268.
AEC SCT-65-750

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Sci-Phys
Nov 66

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Wall Structure in Thin Magnetic Films, by
Ernst Feldkeller, Ekkehard Fuchs, 8 pp.
GOVERNMENT USE ONLY
GERMAN, per, Zeitschrift fur Angewandte Physik, Vol 18,
No 1, November 1964, pp 1-4, 5.
ARM/FSTC/HT-23-1223-71

Nov 71

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Experience with the Five-Electrode Filter Lens,
by J. Kessler, H. Lindner.
GERMAN, per, Zeitschrift fur Angewandte Physik,
Vol 18, No 1, 1964, pp 7-9.
NASA TT F-11,105

TTC 72-10273-20F

GOVERNMENT USE ONLY
Sci-Electr
Sept 67 341,986

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

A Matrix Linear Accelerator for Electrons as a Model for a Proton Accelerator, by Horst Klein, 23 pp.
GERMAN, per, Zeit. Angew. Phys., Vol 18, 1964, pp 143-149.
AECL-2287

Sci/Physics
Apr 67

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

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The Diffusion and Permeation of H2 in Alpra-Fe,
by R. Wagner.
GERMAN, per. Z. Angew. Physik, 18, 1964,
pp 193-199.
*NBS TT 70-57308

Sci-Mat
Aug 70

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Glow Experiments with Selenium Photocells,
by F. Eastenreimer,
GERMAN, per. Zeitschrift fuer Angewandte
Physik, Vol 18, 1964, pp 323-9.
ATS-09[illegible]

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Sci - Physics
Jul 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

A Universal Electric Strip Measuring Device,
by W. Krug.
GERMAN, per, Z. Angew. Physik, Vol 18, 1965,
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*BISI 6998

Sci-Mat
Apr 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Experiments with Synchrotron Radiation,
by R. Haensel, C. Kunz.
GERMAN, per, Zeit fur Ang. Phys., Vol 23,
No 4, pp. 276-95.
NLL Ref 5828.4F (M.13091)

Sci-Phys
July 69

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The Sound Pulse From a Spark Discharge in a Fluid, by Edwards Baillitis, 13 pp.

GERMAN, per, Z fuer Angewandte Physik Einschliesslich Nuklearnik, Vol IX, No 9, 1957, pp 429-434. 9072885

DRB Canada
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Sci - Phys
28 Nov 60

134,001

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

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The Intensity Distribution in Steam and Molecular Jets, by K. G. Gunther.

GERMAN, per, Z Angewandte Physik Einschl Nucleonik, Vol IX, No 11, 1957, pp 550-556.

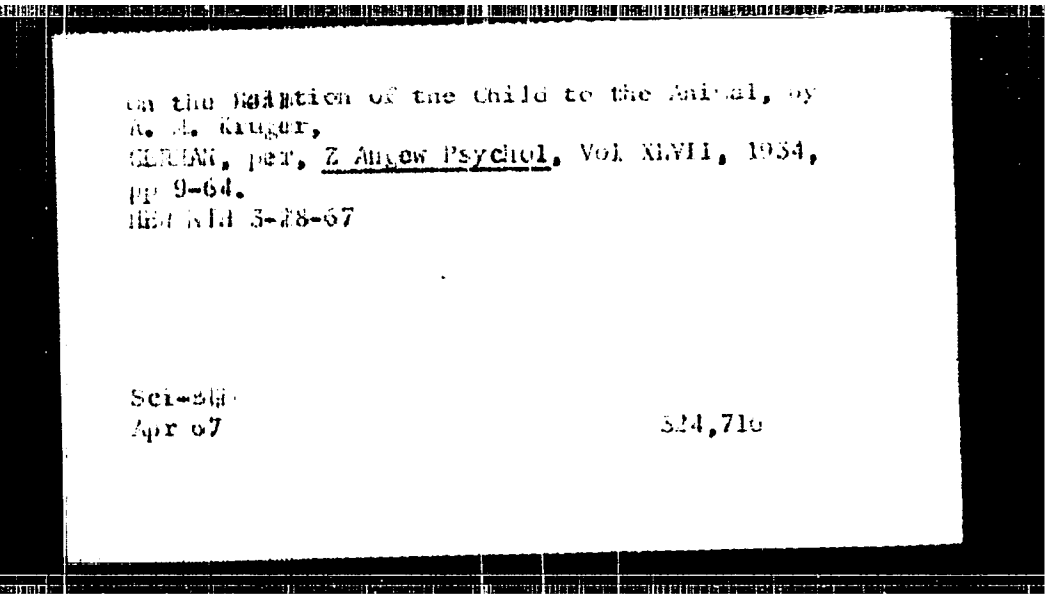
*TIL T-5125

Sci - Phys

Jul 60

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0



on the Relation of the Child to the Animal, by
K. A. Kruger,
GERMAN, per, Z Angew Psychol, Vol XLVII, 1934,
pp 9-64.
USAF ATI 3-28-67

Sci-Sh
Apr 67 324,71c

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Examinations for determining muscle atrophy threshold, by Th. Hettinger. 8 pp.
GERMAN, per. Z. Angew. Physiol., Vol 16, 1955, pp 52-56
NASA TT F 14,094

apr 72

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

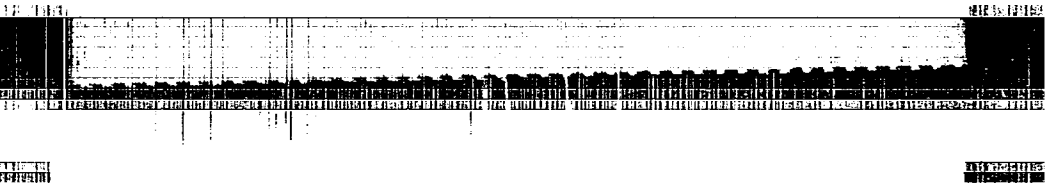
APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Plant Virus in the Carrier and Insertion into the Plant,
by K. Heinze.
GERMAN, per. Z Angew Zool, No 44, 1957, pp 99-187
NRC/Ref C-3989

Sci -
Aug 67 335.063

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0



APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

B. Thuringiensis Berliner and its Action on the Flour Moth A. Kuehniella (Zell), by A. Krieg.
GERMAN, per Z. angew Zool. Vol. 51, No. 1, 1964, pp 13-23
GB 52

Sci -
Aug 67 339-479

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Studies on the Heavy Metal Poisoning of Fishes. 1. Lead Poisoning of Rainbow Trout, by G. Haider. GERMAN, per Z. angew.Zool. Vol. 51, No. 3, 1964, pp 347-368

Sci -
Aug 67

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Phosphorus Compounds of Covalt, by
S. Zemczuzny, J. Schepelew.
GERMAN, per, Zeit fur Anorganische und Allgemeine Chemie, Vol LXIV, 1904, pp 245-257.
TC-203

A½r 67 322,266

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Moldenhauer, Wilh.
ON THE ACTION OF OXYGEN AND STEAM ON MAGNESIUM CHLORIDE. [1963] 16p (figs omitted) 9refs
Order from SLA $1.60 TT-63-20502

Trans. of Z[eitschrift für] Anorg[anische und Allgemeine] Chem[ie] (Germany) 1906, v. 51, p. 369-390.

DESCRIPTORS: *Magnesium compounds, *Chlorides, Oxides, Hydroxides, *Oxygen, *Steam, Chemical equilibrium, Thermochemistry.

(Chemistry--Inorganic, TT, v. 11, no. 3)

TT-63-20502

I. Moldenhauer, W.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Dukelski, M.
EQUILIBRIA IN THE SYSTEM: $(CH_3CO)_2O$-B_2O_3-H_2O AT 30°. [1963] [6p]
Order from SLA $1.10 63-18173

Trans. of Zeitschrift für Anorganische und Allgemeine Chemie (Germany) 1909, v. 62, p. 118-122.

DESCRIPTORS: *Acetic acids, *Boric acid, Water, *Chemical equilibrium, *Phase studies.

(Chemistry--Physical, TT, v. 10, no. 11)

63-18173

1. Dukelski, M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

On the Binary Systems of the Sodium Meta-silicates with Lithium Magnesium, Calcium, Strontium, and Barium Meta-Silicate; The Lithium Meta-Silicates with Potassium, Magnesium, Calcium, Strontium, and Barium Meta-Tem $Na_2O-Al_2O_3-SiO_2^t$, by E Robert C. Wallace, 26 pp.
GERMAN, per, Z Anorg und Allgemeine Chemie, 1909, vol 63, No 1, pp 1-48.
SLA TT 64-18213

Jul 66 305,458

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Studies of the U-Pu-C-Ti Compounds,
by U. Ruch, H. Steinmetz.
GERMAN, per, Zeit, Anorg. und Allg. Chem.,
Vol 77, 1912, pp. 51-89.
NLL Ref: 5828.4F (M.7496)

Sci-Chem
July 69

[illegible] 7335
381 435

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Lely, D. and Hamburger, L.
PREPARATION OF THE ELEMENTS THORIUM, URANIUM, ZIRCONIUM AND TITANIUM. [1963] 11p. (figs. contnd 9 refs.
Order from SLA $1.60 63-14303

Partial trans. of [Zeitschrift für Anorganische und Allgemeine Chemie] (Germany) 1914, v. 87, p. 209-224.

DESCRIPTORS: *Thorium, *Uranium, *Zirconium, *Titanium, *Chlorides, Sodium compounds, Reduction (Chemistry), Purification, Chemical reactions.

(Chemistry--Inorganic, TT, v. 10, no. 4)

63-14303

I. Lely, D.
II. Hamburger, L.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

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Boron Steels, by G. Hannesen, 17 pp.

GERMAN, per, Z Anorg u Allgem Chem, M Vol XXCIX, 1914, pp ~~XXX~~ 257-278.

SLA 2192

Sci - Minerals/Metals
Oct 57

54, 045

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Peroxides of the Alkaline Earths, by
F. H. Riesenfeld, W. Gottebohm.
GERMAN, per, Zeitschrift für Anorganische und Allgemeine Chemie, Vol 89, 1914, pp 405-413.
NASA TT F-11,641

Sci/Chem
Oct 68

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The Reciprocal Salt Pairs KCl Plus NaNO3
Goes Reversibly into KNO3 Plus NaCl and the
Preparation of Conversion Saltpeter,
by W. Reinders.
GERMAN, per, Zeit. fuer Anorganische und
Allgemeine Chemie, Vol 93, No 3, 1916,
pp 202-212.
SLA TT-66-10206

Sci-Chem
Aug 66

309,190

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Exact Measurement of Electrical Conductivity of Electrolytes at Temperatures up to 1600° C., by F. M. Jaeger, B. Kapma, 43pp. GERMAN, per, Zeitschrift fur Anorganische und Allgemeine Chemie, Vol 113, 1920, pp 27-58. K-H-2804 b.

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Sci - Chemistry
Mar 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Beryllium Nitride, by Fr. Richter, Emil Brunner, 13 pp.

GERMAN, per, Zeitschrift fuer Anorganische und Allgemeine Chemie, Vol XCIII, 1915, pp 84-94.
X9215603

ABC-UCRL-Tr-990(EL)

Sci - Mat & Met

246, 257

Dec 63

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

(NY-10/c)

Preparation and Chemical Behavior of Tetramethyldisilazane and Related Compounds [1], by Heinrich Kriegsmann, Gunter Engelhardt, 14 pp.

GERMAN, per, Z. fuer Anorg. und Allg. Chem., Vol CX, No 1/2, pp 100-199.

JPRS 10171

169800

Sci - Chem

Oct 61

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Approximate Calculations for Univariant Systems,
by J. A. H. van Liempt.
GERMAN, per. Zeit fuer Anorganische und
Allgemeine Chemie, Vol III, 1920, pp 280-288.
Dept of Navy Tr 4462/APL/JHU T-1599

296,450

Sci-Chem
Feb 66

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Jaeger, F. M. and Kapma, B.
EXACT MEASUREMENT OF ELECTRICAL CONDUCTIVITY OF ELECTROLYTES AT TEMPERATURES UP TO 1600°C. [1963] 43p (figs omitted) 52refs
Order from SLA $4.60 63-20463

Trans. of Z[eitschrift für] Anorg[anische und] Allgem[eine] Chem[ie] (Germany) 1920, v. 113, p. 27-58.

DESCRIPTORS: *High temperature research, *Electrolytes, *Electrical conductance, Measuring devices (Electrical and Electronic), Electrochemistry, Metals, Salts.

(Chemistry--Physical, TT, v. 10, no. 12)

63-20463

I. Jaeger, F. M.
II. Kapma, B.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Investigations on the Compound Formation and Electromotive Behavior of Cerium in its Alloys with Iron and Zinc, by Fritz Olotofski, 21 pp.

GERMAN, per. Zeit fuer Anorganische und Allgemeine Chemie, Vol CXIV, 1920, pp 1-23, 9207679.

AEC-Tr-5674

Sol - Mat & Met

Jun 63

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Investigations on the salt-like nature of Lithium Hydride, by Kurt Moers. GERMAN, por, Z fur Anorganische und Allgemeine Chemie, Vol CCIII, 1920, pp 179-228. 9231678 AEC-UCRL-Tr-1254(L)

Sci - M/M
Jan 66

294,265

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Tungsten-Nickel Alloys, by R. Vogel, 8 pp.

GERMAN, per, Z fuer Anorg Allgem Chem, Vol CXVI, 1921, pp 231-242.

SLA Tr 792/1955

Sci - Min/Met

Jul 57

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

LB/G-3061 Uncl.

THE PREPARATION OF HYDROGEN TELLURIDE FROM METAL TELLURIDES. Moser, L.; Ertl, K. Translated by R. G. P. Towndrow and J. B. Sykes (Atomic Energy Research Establishment, Harwell, Eng.), from Z. Anorg. Allg. Chem.; 118: 269-83(1921). 23p.

chemistry (inorganic); translations

ND-4 NP RC

Unlimited

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Investigations of the Rate of Diffusion in Gold-Silver Solid Solutions and the Measurement of the Coefficient of the Diffusion of Gold in Silver at 870° C, by W. Fraenkel, H. Houben, 19 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol CIX, No 1, April 13, 1921, p 1.

SLA 57-2280

Jul 58

69, 970

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Velocity of Action of Oxygen, Hydrogen Sulfide and Halogens on Metals, by G. [illegible] and W. Kobler, 31 pp.

Full translation.

CHEMICAL, per, Zeitschrift fuer anorganische und allgemeine Chemie, Vol CXXIII, Aug 1922, pp 196-201, 203, 224.

NACA TM 1339

Sci - Minerals/Metals

Aug 52 CTS DEX

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

On the Formation of Sulphur During the Action of Sulphur Dioxide on Calcium Sulphide, Zinc Sulphide and the Iron Sulphides, by Wohler, Lothar, Martin, E. Schmidt, 36 pp.

GERMAN, per, Z fuer Anorganische und Allge Chem, Vol CXXVII, 1923, pp 273-294.

SLA Tr 849/1955

Sci - Chem

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Jul 57

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Ruff, Otto and Neumann, Franz.
REDUCTION OF INORGANIC HALIDES. II. REDUCTION OF TITANIUM TETRACHLORIDE. 27p (2 figs omitted) 12refs.
Order from SLA $2.60 TT-64-16741

Trans. of Z[eitschrift für] Anorg[anische und] Allgem[eine] Chem[ie] (Germany) 1923, v. 128 [no. 1] p. 81-95.
Other translations are available from SLA as no. 2104(117)p. and from K-H $26.00 as K-H-5309j, 26p.

(Chemistry--Inorganic, TT, v. 12, no. 4)

TT-64-16741

I. Ruff, O.
II. Neumann, F.
III. Title: Titanium...

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Ruff, Otto and Wallstein, Richard
REDUCTION OF INORGANIC HALIDES. PT. 3. THE REDUCTION OF ZIRCONIUM TETRACHLORIDE.
[17p] 6refs.
Order from SLA $1.60 TT-60-16766

Trans. of Z[eitschrift für] Anorg[anische und] Allge[meine] Chem[ie] (Germany) 1923, v. 128 [no. 1] p. 96-116.

(Chemistry--Inorganic, TT, v. 12, no. 7)

TT-60-16766

I. Ruff, O.
II. Wallstein, R.
III. Title: Reduction ...

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Ruff, Otto and Brintzinger, Herbert.
REDUCTION OF THORIUM, ZIRCONIUM, AND TITANIUM DIOXIDES. [1963] 12p. (fig. omitted) 56 refs.
Order from SLA $1.60 63-14304

Trans. of Z[eitschrift fur] Anorg[anische] u[nd] Allg[emeine] Chem[ie] (Germany) 1923, v. 129, p. 267-275.

DESCRIPTORS: *Thorium compounds, *Zirconium compounds, *Titanium compounds, *Dioxides, *Reduction (Chemistry), *Chlorides, Sodium, Calcium, Alcohols.

(Chemistry--Inorganic, TT, v. 10, no. 4)

63-14304

I. Ruff, O.
II. Brintzinger, H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Note on the Temperature Coefficient of Electrical Conductivity, by Wilhelm Biltz, 8 pp.

GERMAN, per: Z. anorg Allgem Chem, Vol CXXXIII, 1924, pp 306-311.

S.L.A. - AL-58
ot SLA TT-63-20768 (10 pp)

Scientific - Chemistry CTS 68/May 55

23,625

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Biltz, Wilhelm.
FUSED ELECTROLYTES, BORN'S LATTICE FORCES AND THE CONSTITUTION OF THE SALTS. [VII].
[1963] [19p] 43refs
Order from SLA $1.60 TT-64-10124

Trans. of Z[eitschrift für] Anorg[anische und Allgemeine] Chemie] (Germany) 1924, v. 133, p. 312-324.
Another trans. is available from SLA as AL-59, 18p.

(See also 63-20768)

DESCRIPTORS: *Fused materials, Salts, Electrolytes, *Chlorides, Classification, *Crystal lattices, Electrical conductance, Valence, *Atomic orbitals, *Electrochemistry.

(Chemistry--Physical, TT, v. 11, no. 5)

TT-64-10124

I. Biltz, W.
II. SLA-AL-59

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Tammann, G. and Nikitin, N.
CONCERNING THE PYROPHORITY OF METAL POWDERS. [1963] [6]p. (figs. omitted) 12 refs.
Order from SLA $1.10 63-16767

Trans. of Z[eitschrift für] Anorg[anische] u[nd] Allg[emeine] Chem[ie] (Germany) 1924, v. 133, p. 201-204.

DESCRIPTORS: *Metal powders, *Pyrophoric materials, Combustion, Flammability.

(Chemistry--Inorganic, TT, v. 10, no. 7)

63-16767

I. Tammann, G.
II. Nikitin, N.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

X-Ray Spectrographic Investigation of Aging Metal Hydroxides, by R. Fricke, F. Wever, 2 pp.

GERMAN, per, Z. fuer Anorg u. Allgem. Chem, Vol CXXXVI, 1924, pp 321-324.

AEC Tr 2167

25,451

Jul 55 CTS

Scientific --[redacted], Chemistry

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Lorenz, Richard.
EQUILIBRIA BETWEEN METALS AND SALTS IN THE MELT. NO. 4 CONTRIBUTION TO THE THEORY, II. [1963] 8p 5refs
Order from SLA $1.10 TT-63-20780

Trans. of Z[eitschrift für] Anorg[anische und Allgemeine] Chem[ie] (Germany) 1924, v. 138, p. 285-290.
Another trans. is available from SLA as AL-423, 8p.

DESCRIPTORS: *Fused materials, *Salts, Metals, *Chemical equilibrium, Theory, *Cadmium compounds, *Thallium compounds, *Lead compounds, *Chlorides.

(Chemistry--Physical, TT, v. 11, no. 4)

TT-63-20780

I. Lorenz, R.
II. Title: Contribution ...
III. SLA-AL-423

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Contributions to the Study of Sulfurour Acid and Its Salts II, On the Decomposition of Salts of Sulfurous Acid on Ignition, by F. Foerster, K. Kubel.

GERMAN, per, Z. fuer Anorgan und Allgemeine Chemie, Vol CXXXIX, 1924, pp 261-292.

*AEC

Sci - Chem
Nov 62

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

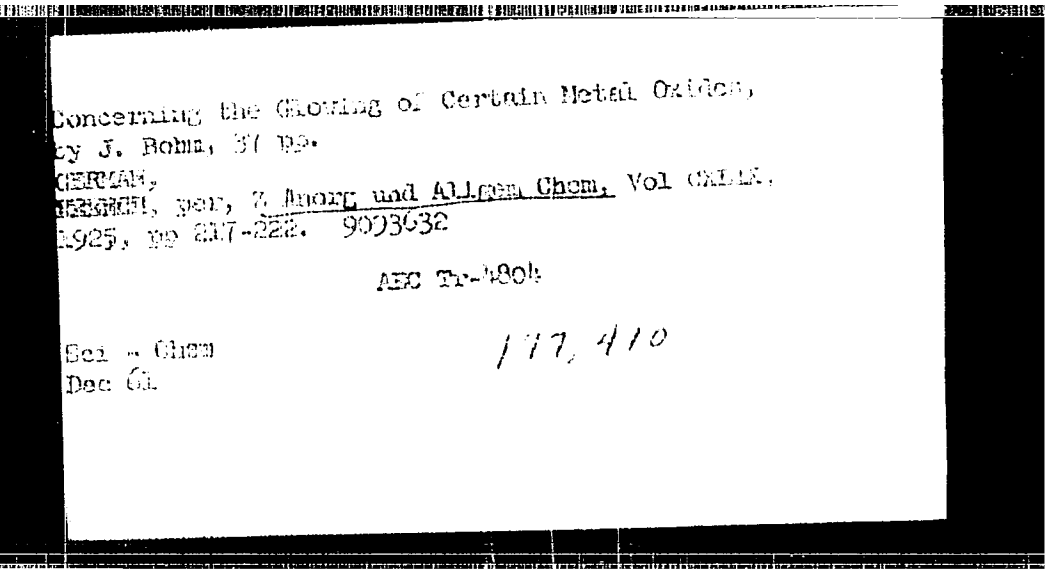
APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The Chemistry of Lithium, III Lithium Hydride,
by G. F. Hurtig, Krejewski.
GERMAN, per, Z fur Anorganische und Allgemeine
Chemie, Vol CXII, 1924, 185-190. 9230532
UCRL Tr #255(L)

Gcl - Chem
Jan 66 294,425

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0



Concerning the Glowing of Certain Metal Oxides,
by J. Bohm, 37 pp.
CERAM,
[illegible], per, Z Anorg und Allgem Chem, Vol CXLIX,
1925, pp 217-222. 9003632

AEC Tr-4804

Sci - Chem
Dec 61

177,410

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

A Contribution to the Understanding of Complex Uranylcarbonates, by J. Arvid Hedvall

GERMAN, per, Zeit Anorg und Allgem Chem, Vol CXLVI, 1925, pp 225-229.

AEC Tr 2436

Scientific - Chemistry
Apr 56 CTS/dex

33,965

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The Electro-Chemical Reduction of Electrodes. #2
2. The Coulomb Meter, by K. Fischbeck, 10 pp.

GERMAN, per, Z. Anorg u Anorg u Allgem Chem, F
Vol CXLVIII, No 1, Sept 25, 1925, p 99.

SIA 57-2442

Jul 58

69, 967

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The Determination of the Noble Metal Content of Rhine Water, by F. Haber, J. Jaenicke, 9 pp.

GERMAN, 9 per, Z. Angorg u Allgem Chem, Vol CXLVII, 1925, pp 156-170.

SLA R-3421

Sci

Aug 59

95,080

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Preparation of Pure Titanium. Zirconium Hafnium and Thorium Metal, by A. E. Arkel, J. H. Boer, 10 pp.

GERMAN, per, Z. anorg u Allgem. Chem, Vol CXLVIII, Oct 29, 1925, pp 345-350.

SLA 57-2076

Sci

Jun 58

65, 878

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Contributions to the Phosphorus Chemistry I.
Colorless Phosphorus, by Ludwig Wolf, Rhine
Bistmu, 8 pp.

GERMAN, per, z. Anorg u Allgem Chem, Vol CXLIX,
1925, pp 403-412.

CIA/FDD XX-228
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry
Oct 1956
IAC INTERNAL USE ONLY

39,431

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Suhrmann, Rud. and Clusius, Klaus.
THE PREPARATION OF PURE ALKALI METALS.
[1963] 10p. (figs. omitted) 14 refs.
Order from SLA $1.10 63-16170

Trans. of [Zeitschrift für Anorganische und Allgemeine Chemie] (Germany) 1926 [v. 152] p. 52-58.

DESCRIPTORS: *Alkali metals, Purification, Preparation, Degasification.

(Metallurgy, TT, v. 10, no. 7)

63-16170

I. Suhrmann, R.
II. Clusius, K.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Klemm, Wilhelm and Biltz, Wilhelm.
FURTHER CONTRIBUTIONS TO THE KNOWLEDGE OF THE CONDUCTIVITY OF FUSED SALTS. [1963]
15p (figs omitted) 24refs
Order from SLA $1.60 TT-63-20778

Trans. of Z[eitschrift fur] Anorg[anische und Allgemeine] Chem[ie] (Germany) 1926, v. 152, p. 225-234.
Another trans. is available from SLA as AL-379.

DESCRIPTORS: *Fused materials, Salts, *Chlorides, Mercury compounds, Yttrium compounds, Lanthanum compounds, Zinc compounds, Calcium compounds, Tin compounds, *Electrical conductance.

(Chemistry--Physical, TT, v. 11, no. 4)

TT-63-20778

I. Klemm, W.
II. Biltz, W.
III. SLA-AL-379

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Klemm, Wilhelm and Rockstroh, Joachim.
DENSITY MEASUREMENTS ON FUSED CHLORIDES [X.]. [1963] [32p] 57refs
Order from SLA $3.60 TT-64-10119

Trans. of Z[eitschrift für] Anorg[anische und Allgemeine] Chem[ie] (Germany) 1926, v. 152, p. 235-251. Another trans. is available from SLA as 02095, 29p.

(See also 63-20778)

DESCRIPTORS: *Fused materials, Salts, *Chlorides, Density, Electrical conductance, *Copper compounds, *Thallium compounds, *Rubidium compounds, *Tin compounds, *Zinc compounds, *Beryllium compounds, *Yttrium compounds, *Lanthanum compounds, *Scandium compounds, *Thorium compounds, *Mercury compounds, *Electrochemistry,

(Chemistry--Physical, TT, v. 11, no. 5)

TT-64-10119

I. Klemm, W.
II. Rockstroh, J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Biltz, Wilhelm and Klemm, Wilhelm.
THE ELECTRICAL CONDUCTIVITY AND MOLECULAR STATE OF FUSED SALTS. XII. [1963]
46p (figs omitted) 34refs
Order from SLA $4.60 TT-64-10125

Trans. of Z[eitschrift fur] Anorg[anische und Allgemeine] Chem[ie] (Germany) 1926, v. 152, p. 267-294.
Another trans. is available from SLA as AL-60, 48p.

(See also TT-64-10119)

DESCRIPTORS: *Fused materials, Salts, *Halides, Classification, Electrical conductance, Density, Melting, Crystal lattices, Dissociation, *Electrochemistry.

(Chemistry--Physical, TT, v. 11, no. 5)

TT-64-10125

I. Biltz, W.
II. Klemm, W.
III. SLA-AL-60

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Klemm, Wilhelm.
DENSITY AND MOLECULAR STATE OF FUSED SALTS. [1963] 28p (figs omitted) 34refs
Order from SLA $2.60 TT-63-20779

Trans. of Z[eitschrift für] Anorg[anische und Allgemeine] Chemie (Germany) 1926, v. 152, p. 235-248.

DESCRIPTORS: *Fused materials, *Salts, *Chlorides, Density, Molecular properties.

(Chemistry--Physical, TT, v. 11, no. 3)

TT-63-20779

I. Klemm, W.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

A Process for the Preparation of Large Crystals, by S. Kyropoulos.
GERMAN, per. Zeitschrift fur Anorganische und Allgemeine Chemie, Vol 154, 1926, pp 308-313.
9233474
AEC UCRL-tr-10027

Sci./ Chemistry
Aug 66

306,339

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Ruff, Otto, Fischer, Joseph, and Luft, Fritz.
NITROGEN-TRI-FLUORIDE (Das Stickstoff-3-Fluorid).
[1964] [16]p (foreign text included) Refs
Order from SLA $1.00 TT-64-16060

Trans. of Z[eitschrift] für Anor[ganische] und Allg[emeine] Chemie (Germany) 1928, v. 172, no. 1/3, p. 417-425.
Other translations are available from SLA mi $1.80 ph $1.80 as TT-59-10243 and as II-923, 13p.

(Chemistry--Inorganic, TT, v. 12, no. 4)

TT-64-16060

I. Ruff, O.
II. Fischer, J.
III. Luft, F.
IV. SLA-II-923

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Stannous Phosphate, by K. Jablczynski, W. Wieckowski, 4 pp.

GERMAN, no per, Zeit Fuer Anorg und Allg Chem, Vol CLIII, 1926, pp 207-212.

CIA/FDD/XX-69
IAC INTERNAL USE ONLY

30,805

Scientific - Chemistry EDS Feb 56 CTS/DEX

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Ruff, Otto and Thomas, Fritz.
BEHAVIOR OF NIOBIUM-- AND TANTALUM--5-- OXIDES IN THE PRESENCE OF CARBON TETRACHLORIDE AND A METHOD FOR THE ANALYTIC DETERMINATION OF NIOBIUM AND TANTALUM. [1963] 15p. 10 refs.
Order from SLA $1.60 63-14131

Trans. of Zeitschrift fur Anorganische und Allgemeine Chemie (Germany) 1926, v. 156, p. 213-225.

DESCRIPTORS: *Niobium compounds, *Tantalum compounds, *Oxides, *Carbon tetrachloride, Chemical analysis, Determination, Chlorides, Purification, Quantitative analysis, Reduction (Chemistry).

(Chemistry--Analytical, TT, v. 10, no. 4)

63-14131

I. Ruff, O.
II. Thomas, F.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Boer, J. H. de, Clausing, P., and Zecher, G.
A SIMPLE METHOD FOR THE MANUFACTURE OF SMALL AMOUNTS OF POTASSIUM, RUBIDIUM AND CESIUM METAL. [1963] 5p. (fig. omitted) 12 refs. Order from SLA $1.10 63-16150

Trans. of Zeitschrift für Anorganische und Allgemeine Chemie (Germany) [1927, v. 160, p. 128-132].

DESCRIPTORS: *Potassium, *Rubidium, *Cesium, Decomposition, Barium compounds, Azides, Chlorides, Vacuum apparatus, Alkai metal compounds.

(Chemistry--Inorganic, TT, v. 10, no. 9)

63-16150

I. Boer, J. H. de
II. Clausing, P.
III. Zecher, G.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The System Aluminum-Thorium, by Al. Leber, 12 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CCLXVI, 1927, pp 16-26.

AEC Tr 2 3782

Sci - Chem

Sep 59

96,339

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Tammann, G. and Veszi, G.
PRODUCING REVERSIBLE COLOR CHANGING IN DOUBLE IODIDES BY RUBBING (Durch Reiben Erzeugte Reversible Farbenänderungen von Doppeljodiden). [1963] [6]p. (foreign text included).
Order from SLA $1.10 63-16304

Trans. of Zeitschrift f[ür] Anorganische u[nd] Allgemeine Chemie (Germany) 1927, v. 168, p. 46-48.

DESCRIPTORS: *Colors, *Iodides, Friction, Temperature.

(Chemistry--Physical, TT, v. 10, no. 5)

63-16304

I. Tammann, G.
II. Veszi, G.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Gold - Palladium - Nickel Alloys, by W. Fraenkel, and A. Stern, 14 pp.

GERMAN, per, Z. Anorg U Allgem Chem, Vol CLXVI, 21 Sep 1927, P 161.

SLA 57-2447

Sci

Aug 58

69, 849

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Colloid Syntheses by Titanium(III)-Chloride. Report V. Colloid Bismuth and Colloid Antimony, by A. Gutbier, Berta Ottenstein, F. Allam, 13 pp. GERMAN
[redacted], per, Z Anorg und Allgem Chem, Vol CLXIV, 1927, pp 287-296.

AEC UCRL-Trans-619(L)

Sci - Chem
May 61

150,387

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Acid Decomposition of Iron Carbide, by Rudolf Schenck, Robert Stenkhoff, 19 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CLXI, 1927, pp 287-303. 909522

AEC Tr-5111

Sci - Chem
Jul 62
List 70

204, 714

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Contributions to the Study of the Reduction of Sodium Sulfate With Carbon, by P. P. Budnikoff, A. N. Hyscjaff, 7 pp.
GERMAN, per, Zeitschrift fur Anorganische und Allgemeine Chemie, Vol 170, 1928, pp 225-232.
P911279257
AEC Al Tr-239

337,013

Sci - Materials
Sep 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Deiss, E. and Schikoor, G.
CONCERNING FERROHYDROXIDE (IRON-2-HYDRIDE)
[1963] 13p. (figs. tables omitted) 12 refs.
Order from SLA $1.60
63-18145

Trans. of Z[eitschrift für] Anorg[anische u[nd] Allg[emeine] Chem[ie] (Germany) 1928, v. 172, p. 32-42.

DESCRIPTORS: *Flotation, *Iron compounds, Hydroxides, Hydrides, *Colloids, *Coagulation, Oxidation

(Chemistry--Inorganic, TT, v. 10, no. 11)

63-18145

I. Deiss, E.
II. Schikoor, G.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Nitrogen-3-Fluoride, by Otto Ruff, et al., 13 pp.

GERMAN, per, Zeitschrift fuer Anorganische und Allgemeine Chemie, Vol CLXXII, 1928, pp 417-425.

S.I.A. Tr 923/1956

Sci - Chemistry

39,218

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The Nitrogen-3-Fluorids, by Otto Ruff, Joseph Fischer, et al.
GERMAN, per, Z fuer Anorganisch und Allgemeine Chemie, vol CLXXII, 1928, pp 417-425.
AEC-SCL-T-65-253

Sci-Chem
Jul 65

282,61207

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Notes on the Reduction of Metallic Oxides, and the Equilibrium of the Reaction $Zn + CO_2 \rightleftharpoons ZnO + CO$.
by Karl Jellinek and Potiechin, 6 pp.

GERMAN, per, Z Zeits. Anorg. Allgem. Chem, Vol CLXXIII 1928, pp 164-168

S. L. A. Tr 610/56

Sci - E Min/Met , Zinc Smelting 38,332

Aug 56 CES/dex

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Oxidation of Ferrous Hydroxide in Air, by Alfons Krause, 3? ??.

Full translation.

GERMAN, per, Zeit. für Anorg. und Allgemeine Chemie, Vol CLXXIV, 1928, pp 145-160.

S.L.A.

Scientific - Chemistry

26, 9321

Jul 55

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Peroxides of Titanium, Zirconium, Hafnium and Thorium, by R. Schwartz, H. Giese, 10 pp.

GERMAN, per, Z Anorg u Allgem Chem, Vol CLXXVI, 1928, pp 209-232.

SLA Tr 57-2057
(63-16764)

Sci

Jun 58

65, 889

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Chlorine Fluoride, by Otto Ruff, Ernst Ascher.
GOVERNMENT USE ONLY
GERMAN, per, Z fuer Anorganische und Allgemeine Chemie, Vol CLXXVI, 1928, pp 258-270. 9695515
DDC RSIC-250

Sci - Chem
Jan 65 270,700

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The Equilibrium of Calcium and Sodium with Their Chlorides With the Addition of Lead and Antimony to the Metal Phase, by R. Lorenz, R. Winzer, 21 pp.
GERMAN, per, Zeit fuor Anorganische und Allgemaine Chemie, Vol CLXXIII, 1929, pp 127-139.
SLA TT-63-20770

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Equilibrium Between Calcium and Sodium and their Chlorides, by Richard Lorenz , Robert Winzer, 14pp.
GERMAN, per, Zeitschrift fur Anorganische und Allgemeine Chemie, Vol 181, 1929, pp 193-202.
K-H-1150 e

322,368

Sci- Chemistry
Mar 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Lorenz, Richard and Winzer, Robert.
THE CALCIUM-SODIUM PHASE DIAGRAM. [1963]
7p. 5 refs. (figs. omitted).
Order from SLA $1.10 63-16040

Trans. of Z[eitschrift für] Anorg[anische] und Allg[emeine] Chem[ie] (Germany) 1929, v. 179, p. 281-286.

DESCRIPTORS: *Calcium compounds, *Sodium compounds, *Phase studies, Fused materials, Electrolysis, Physical properties.

Some of the effects observed in fusion electrolysis are explained.

(Chemistry--Physical, TT, v. 10, no. 5)

63-16040

I. Lorenz, R.
II. Winzer, R.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Binding of Alkali Metals by Carbon, by V. K. Fredenhagen, H. Suck, 13 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CLXXVIII, 1929, pp 353-365.

AEC Tr 3397

Sci - Min/Met
Feb 59

81,293

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Contributions to the Ceramics of Highly Refractory Materials, I. The Forms of Zirconium Dioxide, by O. Ruff, F. Ebert,

GERMAN, per, Z. Anorg und Allgen Chem, Vol CLXXX, 1929, pp 19-41.

ATS 565-GJ

Sci - Chem

Aug 60

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

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Volume Changes During Neutralization, b, J. Y. Sasiawsky, E. G. Stamuel, W. W. Towarow, 12 pp

CLXXX

GERMAN, per, Z Anorg u Allgem Chem, Vol [redacted], 1929, pp 241-251.

AEC Tr 3513

Sci - Chem
Feb 59

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Equilibrium Between Metals and Salts in the Melt. No 18. The Equilibrium of Calcium and Sodium With Their Chlorides on Addition of Pb and Sb to the Metallic Phase, by Richard Lorenz, Robert Winzer, 19 pp.

Full translation.

GERMAN, per, Z. anorg. & Allgemeine Chem, Vol CXXXIII, 1929, pp 127-139.

S.L.A.-AL-424

Scientific - Minerals/metals

26,950 Jul 55

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

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Schenck, Rudolf, Franz, H., and Willeke, H.
EQUILIBRIUM INVESTIGATIONS ON REDUCTION, OXIDATION AND CARBONIZATION PROCESSES IN IRON, IX. [1963] 44p. 7 refs.
Order from SLA $4.60 63-16859

Trans. of Zeitschrift für Anorganische und Allgemeine Chemie (Germany) 1930, v. 184, p. 1-38.

DESCRIPTORS: *Iron, Processing, *Carbonization, *Oxidation, Reduction, *Chemical equilibrium, thermodynamics.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 7)

63-16859

I. Schenck, R.
II. Franz, H.
III. Willeke, H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Germanium, Indium, Niobium, Titanium and Hydrogen, by H. Hagen , A. Sieverts, 14 pp.

GERMAN, per, Z Anorg und Allgem Chem, Vol CLXXXV, 1930, pp 225-238.

AEC/IGRL-T/C-75

Sci - Chem

Nov 58

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Hüttig, Gustav, F. and Frankenstein, Wilhelm. CONTRIBUTIONS TO KNOWLEDGE OF OXIDE-HYDRATES. XVIII. CONTRIBUTION TO KNOWLEDGE OF SYSTEM OF MAGNESIUMOXIDE-WATER (Beiträge zur Kenntnis der Oxydhydrate, XVIII. Zur Kenntnis des Systems Magnesiumoxyd/Wasser). [1963] [22]p. (foreign text included) 8 refs.
Order from SLA $2.60 63-18127

Trans. of [Zeitschrift für Anorganische und Allgemeine Chemie (Germany) 1930, v. 185] p. 403-412.

DESCRIPTORS: *Magnesium compounds, *Oxides, *Hydrates, Water, Synthesis (Chemistry), *Dehydration, X-ray diffraction analysis, Phase studies.

(Chemistry--Inorganic, TT, v. 10, no. 11)

63-18127

I. Hüttig, G. F.
II. Frankenstein, W.
III. Title: Contribution...

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Hüttig, Gustav, F. and Frankenstein; Wilhelm. CONTRIBUTION TO KNOWLEDGE OF OXIDE-HYDRATES. XIX. [CONTRIBUTION TO KNOWLEDGE OF SYSTEM MAGNESIM OXIDE-CARBON DIOXIDE] (Beiträge zur Kenntnis der Oxydhydrate. XIX. Zur Kenntnis des Systems Magnesiumoxyd/Kohlendioxyd). [1963] [8]p. (foreign text included) 3 refs
Order from SLA $1.10 63-18131

Trans. of [Zeitschrift für Anorganische und Allgemeine Chemie (Germany) 1930, v. 185] p. 413-416.

DESCRIPTORS: *Magnesium compounds, *Oxides, Hydrates, *Carbonates, *Carbon dioxide, Decomposition, X-ray diffraction analysis, Phase studies,

(See also 63-18127)

(Chemistry--Inorganic, TT, v. 10, no. 12)

63-18131

I. Hüttig, G. F.
II. Frankenstein, W.
III. Title: Contribution ...

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

The System Sodium Hydroxide - Sodium Nitrate - Water, by E. Janecke, 19 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol CLXXXVIII, 1930, pp 73-80.

AEC Tr 2360

Sci - Chemistry

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Production of Alkali Metals by Reduction of Their Compounds with Zirconium, by J. H. De Boer and J. Broos, et al, GERMAN, per, Z. Anorg. Allg. Chem., Vol CXIX, 1930, pp 113-121.
*AEC-Lindsville-Trans-305

Sci-Tech
Apr 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Fusion Diagrams of High-heat Resistant Oxides, by H. Hartenberg, H. Werth, 9 pp.

Full translation.

GERMAN, per, Z. anorg. u. allgemeine Chemie, Vol CXC, 1930, pp 178-184.

S.L.A.

Scientific - Chemistry

Aug 55

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Urea Formation in the Systems Carbonic Acid-Ammonia and Carbon Oxysulfide and Ammonia (Fundamentals of a Technical Process in the Latter System), by ALFONS KLEMENC.
GERMAN , per, Zeit fur Anorganische und Allgemeine Chimie , 1930, vol.191, no.3, pp.246-282.
SLA-TT-64-20384

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Aug 66 307,780

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

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The Behavior of Thoria in Tungsten Filaments, by W. G. Burgers, J. Van Liempt, 25 pp.

GERMAN, per, Z. Anorg u Allgem Chem, Vol CXCIII, 10 Oct 1930, pp 144-160.

SLA Tr 57-2037

Sci

Jun 58

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250006-0

Iodine Heptafluoride, by Otto Ruff, Rudolf Keim, 10 pp.

GERMAN, per, Z Anorg u Allgem Chem, Vol CXCIII, 1930, pp 176-186.

AEC Tr 2632

Sci - Chemistry

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